



# PATENT SPECIFICATION

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## PROVISIONAL SPECIFICATION.

### Improvements in and relating to the Treatment of Growing Plants.

I, PERCY GEORGE WARDEN, of 11, Southdown Road, Shoreham-by-the-Sea, Sussex, British subject, do hereby declare the nature of this invention to be as follows:—

My device is to secure the blanching of celery and the like without the laborious work of earthing-up and consists of a square foot more or less of suitable material such as cardboard or vulcanised fibre which is wrapped round the vegetable and secured in such a way as will allow it to expand with growth.

The way I achieve this is by securing the "collar" by two coils of wire which are crinkled or wound in a helix.

In order to stand better against the weather the outer upright edge of the cardboard or fibre is bound with a piece of metal and the springs are attached to this. I may use other material than wire for the springs and may soak or paint the material with some suitable preservative.

Dated the 3rd day of January, 1923.

P. G. WARDEN.

## COMPLETE SPECIFICATION.

### Improvements in and relating to the Treatment of Growing Plants.

I, PERCY GEORGE WARDEN, of 11, Southdown Road, Shoreham-by-the-Sea, Sussex, British subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to an improved appliance for use in the blanching of celery and other vegetables that can be blanched.

In an appliance for use in the forcing of rhubarb and other roots it has been proposed to employ a hollow conical, cylindrical or similar shaped cardboard, papier mâché, felt or like shield formed from a sheet of material rendered waterproof by treating with waterproofing medium, and bent to the required shape with the overlapping edges permanently secured by wire staples or other suitable means, and such joint has also been strengthened by two wood or other suitable laths secured one on the inside and one on the outside of the joint by nails, screws or the like passing through same, one of which laths projects below the

bottom of the shield to form a leg for securing the shield to the ground.

In this appliance the joint of the overlapping edges is permanent and no provision is made for varying the size of the shield to suit the plant at various stages of its growth.

The object of the present invention is to construct an improved simple and cheap appliance which can be used for this purpose and avoid the laborious work of earthing up, and at the same time provide protection from light, retain the separate stems in close contact and also allow expansion as is needed for growth.

For the purpose of this invention I employ a sheet of flexible material, such as vulcanized fibre, stiff paper, card or the like of a suitable thickness and size to suit the object in view and one edge I sheath or bind with a strip of metal or other suitable stiff material.

In use the flexible sheet is wrapped round the vegetable (with the sheath on the outside and vertical), and is bound by one or more yielding bonds which may

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be attached or not to the sheet or sheath, and are such as to allow the shield to expand as the plant grows.

5 The whole or part of the sheet may be treated with a preservative, such as creosote or other suitable medium to resist the attacks of damp and insects.

10 My invention will be clearly understood from the following description aided by the annexed drawings in which:—

15 Figure 1 is a view of a sheet (part broken away), sheath or binding, and elastic bonds, showing my preferred construction,

Figure 2 a side view of same rolled up, and

Figure 3 a side view of same in use and wrapped round a vegetable.

20 In the example shown in the drawings, A is a sheet of flexible material, such as strong paper or card, B a metal sheath or binding secured along one edge, and C, C, helical coils of wire secured to the sheath B and sheet A.

25 In use and when the plant has grown to the proper height the sheet is wrapped round same with the sheath B on the outside, and the coils of wire C, C are pulled out and passed round the wrapped sheet A and secured to themselves, as will be understood from Figure 3. Preferably the bottom wire is wrapped round and secured first and the top wire about a month after the bottom wire.

35 Instead of helical wires I may employ india-rubber or other bands which will

yield to the internal pressure due to growth of the plant.

40 The bottom portion of the sheet is preferably treated with creosote or other medium for resisting damp and insects, and preferably the soil should be hoed up to cover the base, as will be seen at D Figure 3.

45 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

50 1. An appliance for use in connection with the blanching of vegetables, comprising a sheet of flexible material, one edge of which is sheathed with metal or other suitable stiff material, and yielding bonds which hold the sheet wrapped round the vegetable but allow the sheet to expand as the plant grows, substantially as and for the purpose set forth.

60 2. In an appliance as claimed in Claim 1, treating the whole or a portion of the flexible sheet with creosote or other suitable medium to resist the attacks of damp and insects.

65 3. The appliance for use in blanching vegetables, constructed substantially as described and as shown on the annexed drawings.

Dated this 4th day of October, 1923.

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Fig. 1.

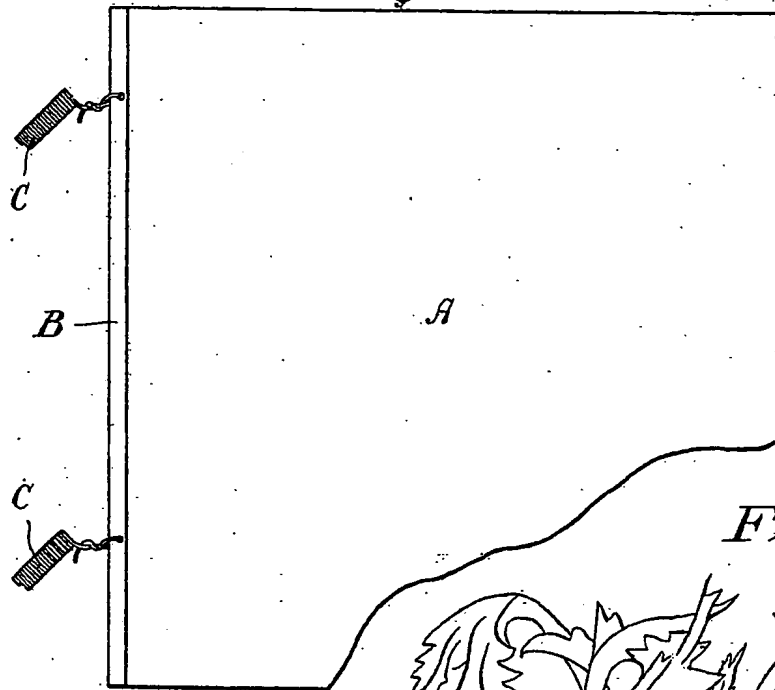
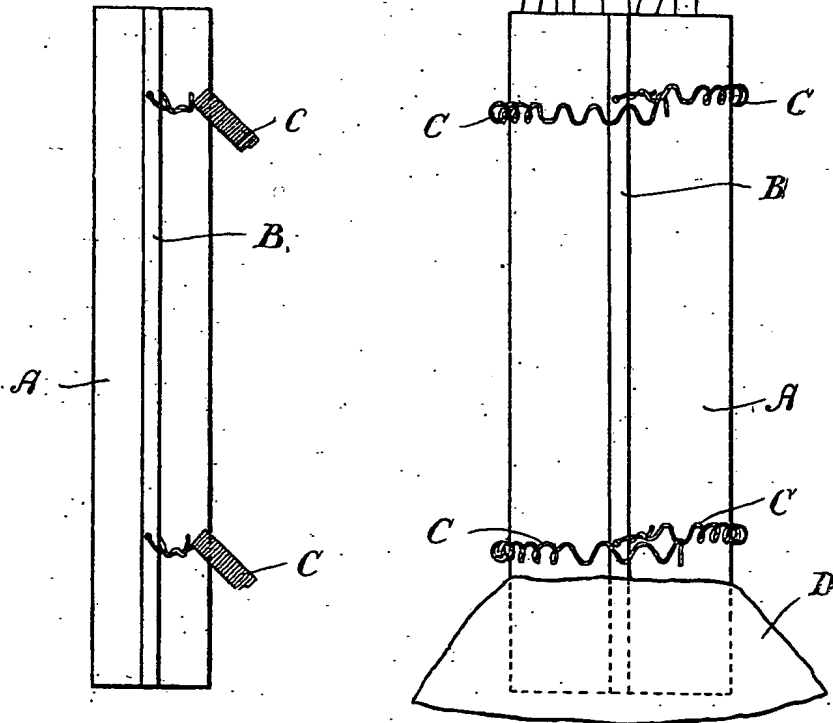


Fig. 3.



Fig. 2.



[This Drawing is a reproduction of the Original on a reduced scale.]